

## AUSTRALIAN BUREAU OF STATISTICS Canberra



### **TECHNICAL PAPER**

# THE LABOUR FORCE AUSTRALIA

PRELIMINARY DATA ON FLOPPY DISK TECHNICAL DETAILS

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### THE LABOUR FORCE, AUSTRALIA PRELIMINARY DATA ON FLOPPY DISK TECHNICAL DETAILS

IAN CASTLES

Australian Statistician

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ELECTRONIC SERVICES	• on VIATEL — key *656# • on AUSSTATS — phone (062) 52 6017. • on TELESTATS — phone (062) 52 5404.

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List of files on floppy disk

#### TECHNICAL DETAILS

#### Introduction

#### General

- 1. Preliminary labour force estimates, as published in *The Labour Force, Australia, Preliminary* (6202.0), are now also available on floppy disk. Final estimates are published each month in *The Labour Force, Australia* (6203.0).
- 2. Labour force data on floppy disk may be purchased by annual subscription or as single issues. This publication, The Labour Force, Australia: Preliminary Data on Floppy Disk Technical Details (6271.0), provides technical details to assist users in handling labour force data on floppy disk. A copy is provided with each new annual subscription. Current subscribers will also receive any revised editions of this publication.
- 3. The floppy disk/s will be released each month at the same time as *The Labour Force*, *Australia*, *Preliminary* (6202.0). 12 issues of 6202.0 are included as part of the annual subscription.

#### Status of data

- 4. Preliminary estimates from the ABS Labour Force Survey are now available in three dissemination media:
  - (a) The publication *The Labour Force*, *Australia*, *Preliminary* (6202.0);
  - (b) AUSSTATS, the ABS on-line dissemination service;
  - (c) Floppy disk.
- 5. The layout of labour force data on floppy disk is necessarily different to that of the publication 6202.0. See *Layout of data files*, paragraphs 24 to 26 and *Data Content*, paragraph 32.
- 6. The data held on floppy disk include some small estimates, normally suppressed, that are subject to sampling variability too high for most practical uses. See *The Labour Force*, *Australia* (6203.0) Technical Note for details.

#### Definitions

- 7. A *file* may be made up of *data* or *text*, in the form of lines in delimited ASCII format.
- 8. Data files contain time series, comprised of:
  - (a) The *series identifier* (series id) and some other identifying labels (text), and
  - (b) The estimates, expressed as numbers (in thousands to the nearest hundred) or rates (as a percentage to one decimal place).
- 9. Text files contain series ids and their text meanings for each time series included in the data files.
- 10. The *series id* is a unique label, in the form of a mnemonic up to 20 characters long, used to identify each individual time series.

#### Format of floppy disks and files

#### Disk format

11. Floppy disks for labour force estimates data conform to the Australian Bureau of Statistics standard, as follows:

Floppy disks supplied as a standard service are IBM PC/DOS compatible 5 1/4" double-sided, double-density, no volume label.

#### File format

12. File names conform to DOS standards:

8 characters alphanumeric, followed by the separator (.) and the 3 character alphanumeric extension.

The file name extension is .PRN for delimited ASCII files.

13. All data files and text files are supplied as standard delimited ASCII files, where labels (text) are delimited by quotes ("), and the labels and numeric values are separated by commas (,) as shown below:

"label", "label1", 9,99,9999.9,9

- 14. In the data files, each logical line of data represents a single time series corresponding to either a single column or a cell of a table in 6202.0. Each line is made up of several labels and fifteen monthly data estimates (up to 24 in the case of the February supplementary disks 02 and 03). See *Layout of data files*, paragraphs 24 to 26.
- 15. All lines are less than 240 characters long, which conforms with LOTUS standards for importing ASCII files. See *File format conversion*, paragraphs 16 to 18.

#### File format conversion

- 16. The delimited ASCII format is widely recognised and can be converted readily to formats for other IBM PC compatible packages, to other (non-IBM PC compatible) micro-computer formats or uploaded onto a mainframe.
- 17. A delimited ASCII file with lines less than 240 characters long can be read directly into LOTUS SYMPHONY (using the command File Import Structured), into LOTUS 1-2-3 (using the command File Import Numbers), or MICROSOFT MULTIPLAN 3.0 (using the Transfer Import command).
- 18. Alternatively, the file can be translated or converted by the user, using programs such as MICROSOFT CONVERTD. The ASCII files as supplied are held rowwise. Conversion programs may allow for files to be changed to columnwise in conversion.

#### Floppy disk content

#### General

19. The disk/s supplied with this publication contain/s time series data for each table published in the monthly bulletin *The Labour Force*, *Australia*, *Preliminary*, (6202.0).

Disk content

- 20. Disk 01 contains data files and text files, while Disk 02 and Disk 03 contain data files only. Appendix 1 provides a list of all files and their content.
- 21. Disk 01 is issued monthly. It contains 24 data files, each with 15 months data for the unadjusted, seasonally adjusted and trend (smoothed seasonally adjusted) time series for Australia, States and Territories published in 6202.0. The disk contains 24 matching text files showing series identifiers (series ids) and their full text descriptions.
- 22. Disk 02 is issued annually (in March) and contains 70 data files for seasonally adjusted and trend (smoothed seasonally adjusted) time series in the same order and format as the regular issue, extending from February 1978 to 15 months prior to February of the current year. Text (series id) files are not included on this disk: the text files on Disk 01 should be used. This disk is prepared following the annual re-analysis of seasonal factors.
- 23. Disk 03 is issued annually (in March) and contains 45 data files for unadjusted time series in the same order and format as the regular issue, extending from February 1978 to 15 months prior to February of the current year. Text (series id) files are not included on this disk: the text files on Disk 01 should be used.

#### Content of files

Layout of data files

- 24. Within each data and text file the time series appear in the same order as in the publication 6202.0, and any duplication within the publication is retained in the files.
- 25. Each data file is made up of a variable number of lines in delimited ASCII format. Each line is of variable length up to 239 characters and represents a single time series of estimates, corresponding to either a single column or a single cell in a 6202.0 table.
- 26. As an example, the data file ACT6202U.PRN contains 41 lines representing 41 separate time series of original (unadjusted) data. Each line is in the same format, which is as follows:

"LEHM.UNACTMALFTI" Unique series identifier. See Series identifiers and series

names, paragraph 27;

"SD=07.1986"

Start date = month and year;

For Disk 01, all time series start with the same month and contain 15 monthly estimates up to and including the current month;

For Disks 02 and 03, the file name also indicates the start month and year. The time series contain up to 24 months data, as listed in Appendix 1;

"FREQ=M"

Frequency=monthly;

"FORMAT=08.01"

Numeric field format, Estimates in thousands to the nearest hundred, up to 8 digits left of the decimal, 1 to the right:

n.n,n....n,n.n,n.n,n.n,n.n 15 monthly estimates (up to 24 on Disks 02 and 03).

Series identifiers and series names

- 27. Each separate time series is identified by a unique series identifier (series id) in the form of a mnemonic up to 20 characters long, which can be used as a sort key. The series ids are those used in the labour force naming convention for AUSSTATS time series.
- 28. For each data file (e.g. AUS6202U.PRN, AUS0278U.PRN), Disk 01 contains a matching text file (e.g. AUSSIDU.PRN) which shows, for each time series in the data file, the series id and a text description of its meaning (as held on AUSSTATS, Heading 8). Appendix 1 lists all data files and their matching text files.

Layout of text files

- 29. Within each text file the series identifiers appear in the same order as in the data files.
- 30. Each text file is made up of a variable number of lines in delimited ASCII format. Each line is of variable length up to 100 characters and shows the series id and its meaning for the corresponding time series on the data file/s.
- 31. As an example, the text file ACTSIDU.PRN contains 41 lines representing 41 separate time series of original (unadjusted) data, corresponding to the time series in the data files ACT6202U.PRN, ACT0278U.PRN and so on. Each line is in the same format, which is as follows:

"LEHM.UNACTMALFTI" Unique series identifier, up to 20 characters.

"EMPLOYED SONS\_ACT\_TOTAL AREA\_TOTAL MALES\_FULL\_TIME"

PER- Text description of the series id, as recorded in AUSSTATS Heading 8, up to 78 characters

Data content

- 32. In matching file content with publication content there are several significant differences:
  - (a) On Disk 01, the files always contain estimates for the last fifteen months for each time series. In 6202.0 the number of months varies from table to table;
  - (b) The floppy disk files hold data rowwise;
  - (c) The floppy disk files contain no standard errors.
  - (d) The data held on floppy disk include some small estimates, normally suppressed, that are subject to sampling variability too high for most practical uses.

#### Headings, footnotes and flags

- 33. The AUSSTATS series id and heading 8 are included in the text files (e.g. AUSSIDU.PRN). No other AUSSTATS headings, footnotes or flags have been reproduced on the floppy disk/s.
- 34. For annual subscribers to labour force data on floppy disk, 12 issues of the publication *The Labour Force, Australia, Preliminary* (6202.0) are included in the subscription price. That publication provides a complete source of all headings, footnotes, revisions, and cell suppression. It is also the authoritative source of the data should there be discrepancies between floppy disk data and publication data.

#### Notes on labour force data

35. See *The Labour Force*, *Australia*, *Preliminary* (6202.0) for information about definitions; interpretation of original, seasonally adjusted and trend estimates; sampling variability and so on.

#### Related publications

- 36. See The Labour Force, Australia, Preliminary (6202.0) and The Labour Force, Australia (6203.0).
- 37. Current publications produced by the ABS are listed in the *Catalogue of Publications*, *Australia* (1101.0). The ABS also issues, on Tuesdays and Fridays, a *Publications Advice* (1105.0) which lists publications to be issued in the next few days. The Catalogue and Publications Advice are available from any ABS office.

#### Prices and conditions of sale

38. Conditions of sale and current subscription prices are shown on the subscription order form which is available from the ABS at the address shown on page iii.

#### Copyright

39. This publication and the floppy disk/s are copyright. Further distribution should not occur without the permission of the ABS.

#### **Electronic services**

VIATEL.

Key \*656# for selected current economic, social and demographic statistics.

AUSSTATS.

Thousands of up-to-date time series are available on this ABS on-line service through CSIRONET.

For further information phone the AUSSTATS Help Desk on (062) 52 6017.

TELESTATS.

This service provides foreign trade statistics tailored to users' requirements.

Further information is available on (062) 52 5404.

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LIST OF FILES ON FLOPPY DISK							
File name	No. of series	Туре	Area	Period	Tables	Matching text file	
Disk 01 (Regular m	onthly issue)						
AUS6202U.PRN	66	Unadjusted	Aust	last 15 months	1,4,8	AUSSIDU.PRN	
AUS6202A.PRN	60	Adjusted		ele se "T	2,5	AUSSIDA.PRN	
AUS6202Z.PRN	60	Trend	."	100	3,6	AUSSIDZ.PRN	
AUSTAB7U.PRN	120	Unadjusted	"		7	AUSSID7.PRN	
NSW6202U.PRN	41	Unadjusted	N.S.W.	"	8,11	NSWSIDU.PRN	
NSW6202A.PRN	15	Adjusted	***	"	9	NSWSIDA.PRN	
NSW6202Z.PRN	15	Trend			10	NSWSIDZ.PRN	
VIC6202U.PRN	41	Unadjusted	Vic.		8,11	VICSIDU.PRN	
VIC6202A.PRN	15	Adjusted	"	. 0	9	VICSIDA.PRN	
VIC6202Z.PRN	15	Trend	**	"	10	VICSIDZ.PRN	
QLD6202U.PRN	41	Unadjusted	Qld	"	8,11	QLDSIDU.PRN	
QLD6202A.PRN	15	Adjusted			9	QLDSIDA.PRN	
QLD6202Z.PRN	15	Trend			10	QLDSIDZ.PRN	
SAU6202U.PRN	41	Unadjusted	S.A.	"	8,11	SAUSIDU.PRN	
SAU6202A.PRN	15	Adjusted		"	9	SAUSIDA.PRN	
SAU6202Z.PRN	15	Trend	**		10	SAUSIDZ.PRN	
WAU6202U.PRN	41	Unadjusted	W.A.	n .	8,11	WAUSIDU.PRN	
WAU6202A.PRN	15	Adjusted		и	9	WAUSIDA.PRN	
WAU6202Z.PRN	15	Trend	"	"	10	WAUSIDZ.PRN	
TAS6202U.PRN	41	Unadjusted	Tas.	"	8,11	TASSIDU.PRN	
TAS6202A.PRN	15	Adjusted		· ·	9	TASSIDA.PRN	
TAS6202Z.PRN	15	Trend		"	10	TASSIDZ.PRN	
NTY6202U.PRN	41	Unadjusted	N.T.	"	8,11	NTYSIDU.PRN	
ACT6202U.PRN	41	Unadjusted	A.C.T.	"	8,11	ACTSIDU.PRN	
Disk 02: (Annual s	upplement)						
AUS0278A.PRN	60	Adjusted	Aust.	02/78 - 01/80	2,5	AUSSIDA.PRN	
AUS0278Z.PRN	60	Trend	"	"	3,6	AUSSIDZ.PRN	
AUS0280A.PRN	60	Adjusted	"	02/80 - 01/82	2,5	AUSSIDA.PRN	
AUS0280Z.PRN	60	Trend			3,6	AUSSIDZ.PRN	
AUS0282A.PRN	60	Adjusted	**	02/82 - 01/84	2,5	AUSSIDA.PRN	
AUS0282Z.PRN	60	Trend		"	3,6	AUSSIDZ.PRN	
AUS0284A.PRN	60	Adjusted		02/84 - 01/86	2,5	AUSSIDA.PRN	
AUS0284Z.PRN	60	Trend			3,6	AUSSIDZ.PRN	
AUS0286A.PRN	60	Adjusted		02/86 - 11/86	2,5	AUSSIDA.PRN	
AUS0286Z.PRN	60	Trend		11	3,6	AUSSIDZ.PRN	
NSW0278A.PRN	15	Adjusted	N.S.W.	02/78 - 01/80	9	NSWSIDA.PRN	
NSW0278Z.PRN	15	Trend	"	"	10	NSWSIDZ.PRN	
NSW0280A.PRN	15	Adjusted	"	02/80 - 01/82	9	NSWSIDA.PRN	
NSW0280Z.PRN	15	Trend	"	"	10	NSWSIDZ.PRN	
NSW0280Z.I RIV	15	Adjusted	"	02/82 - 01/84	9	NSWSIDA.PRN	
		_	"	02/02 - 01/04		NSWSIDZ.PRN	
NSW0282Z.PRN	15	Trend	"		10	NSWSIDA.PRN	
NSW0284A.PRN	15	Adjusted	"	02/84 - 01/86	9		
NSW0284Z.PRN	15	Trend	"		10	NSWSIDZ.PRN	
NSW0286A.PRN	15	Adjusted	"	02/86 - 11/86	9	NSWSIDA.PRN	
NSW0286Z.PRN	15	Trend			10	NSWSIDZ.PRN	
VIC0278A.PRN	15	Adjusted	Vic.	02/78 - 01/80	9	VICSIDA.PRN	

APPENDIX
LIST OF FILES ON FLOPPY DISK — continued

File name	No. of series	Туре	Area	Period	Tables	Matching text file
VIC0280A.PRN	15	Adjusted	Vic.	02/80 - 01/82	9	VICSIDA.PRN
VIC0280Z.PRN	15	Trend	"	" "	10	VICSIDZ.PRN
VIC0282A.PRN	15	Adjusted	"	02/82 - 01/84	9	VICSIDA.PRN
VIC0282Z.PRN	15	Trend	u.	. "	10	VICSIDZ.PRN
VIC0284A.PRN	15	Adjusted	"	02/84 - 01/86	9	VICSIDA.PRN
VIC0284Z.PRN	15	Trend	"	u ·	10	VICSIDZ.PRN
VIC0286A.PRN	15	Adjusted	<b>u</b> ,	02/86 - 11/86	9	VICSIDA.PRN
VIC0286Z.PRN	15	Trend	"	11	10	VICSIDZ.PRN
QLD0278A.PRN	15	Adjusted	Qld	02/78 - 01/80	9	QLDSIDA.PRN
QLD0278Z.PRN	15	Trend	"	11	10	QLDSIDZ.PRN
QLD0280A.PRN	15	Adjusted	"	02/80 - 01/82	9	QLDSIDA.PRN
QLD0280Z.PRN	15	Trend		11	10	QLDSIDZ.PRN
QLD0282A.PRN	15	Adjusted	**	02/82 - 01/84	9	QLDSIDA.PRN
QLD0282Z.PRN	15	Trend	"	"	10	QLDSIDZ.PRN
QLD0284A.PRN	15	Adjusted	"	02/84 - 01/86	9	QLDSIDA.PRN
QLD0284Z.PRN	15	Trend	"	"	10	QLDSIDZ.PRN
QLD0286A.PRN	15	Adjusted	"	02/86 - 11/86	9	QLDSIDA.PRN
QLD0286Z.PRN	15	Trend	"	11	10	QLDSIDZ.PRN
SAU0278A.PRN	15	Adjusted	S.A.	02/78 - 01/80	9	SAUSIDA.PRN
SAU0278Z.PRN	15	Trend	"		10	SAUSIDZ.PRN
SAU0280A.PRN	15	Adjusted	"	02/80 - 01/82	9	SAUSIDA.PRN
SAU0280Z.PRN	15	Trend	"	"	10	SAUSIDZ.PRN
SAU0282A.PRN	15	Adjusted	"	02/82 - 01/84	9	SAUSIDA.PRN
SAU0282Z.PRN	15	Trend	"	u u	10	SAUSIDZ.PRN
SAU0284A.PRN	15	Adjusted		02/84 - 01/86	9	SAUSIDA.PRN
SAU0284Z.PRN	15	Trend	n n	"	10	SAUSIDZ.PRN
SAU0286A.PRN	15	Adjusted	<b>u</b> ,,	02/86 - 11/86	9	SAUSIDA.PRN
SAU0286Z.PRN	15	Trend	"	"	10	SAUSIDZ.PRN
WAU0278A.PRN	15	Adjusted	W.A.	02/78 - 01/80	9	WAUSIDA.PRN
WAU0278Z.PRN	15	Trend	. "	II .	10	WAUSIDZ.PRN
WAU0280A.PRN	15	Adjusted	"	02/80 - 01/82	9	WAUSIDA.PRN
WAU0280Z.PRN	15	Trend	"	II .	10	WAUSIDZ.PRN
WAU0282A.PRN	15	Adjusted	,,,	02/82 - 01/84	9	WAUSIDA.PRN
WAU0282Z.PRN	15	Trend	"	11	10	WAUSIDZ.PRN
WAU0284A.PRN	15	Adjusted	"	02/84 - 01/86	9	WAUSIDA.PRN
WAU0284Z.PRN	15	Trend	"	**	10	WAUSIDZ.PRN
WAU0286A.PRN	15	Adjusted	11	02/86 - 11/86	9	WAUSIDA.PRN
WAU0286Z.PRN	15	Trend	"		10	WAUSIDZ.PRN
TAS0278A.PRN	15	Adjusted	Tas.	02/78 - 01/80	9	TASSIDA.PRN
TAS0278Z.PRN	15	Trend	"	"	10	TASSIDZ.PRN
TAS0280A.PRN	15	Adjusted	u u	02/80 - 01/82	9	TASSIDA.PRN
TAS0280Z.PRN	15	Trend	**	"	10	TASSIDZ.PRN
TAS0282A.PRN	15	Adjusted	"	02/82 - 01/84	9	TASSIDA.PRN
TAS0282Z.PRN	15	Trend	ii .	"	10	TASSIDZ.PRN
TAS0284A.PRN	15	Adjusted	"	02/84 - 01/86	9	TASSIDA.PRN
TAS0284Z.PRN	15	Trend	"	"	10	TASSIDZ.PRN
TAS0286A.PRN	15	Adjusted	"	02/86 - 11/86	9	TASSIDA.PRN
TAS0286Z.PRN	15	Trend	,,	"	10	TASSIDZ.PRN

APPENDIX
LIST OF FILES ON FLOPPY DISK — continued

File name	No. of series	Туре	Area	Period	Tables	Matching text file
Disk 03 (Annual sı	ipplement)					
AUS0278U.PRN	66	Unadjusted	Aust.	02/78 - 01/80	1,4,8	AUSSIDU.PRN
AUS0280U.PRN	66		"	02/80 - 01/82		"
AUS0282U.PRN	66	"	"	02/82 - 01/84		W.
AUS0284U.PRN	66		"	02/84 - 01/86	"	
AUS0286U.PRN	66	"	"	02/86 - 11/86	"	
NSW0278U.PRN	41		N.S.W.	02/78 - 01/80	8,11	NSWSIDU.PRN
NSW0280U.PRN	41	"	"	02/80 - 01/82	"	
NSW0282U.PRN	41		"	02/82 - 01/84	" -	
NSW0284U.PRN	41	"	. "	02/84 - 01/86	"	
NSW0286U.PRN	41	9- M-	"	02/86 - 11/86	"	u.
VIC0278U.PRN	41	"	Vic.	02/78 - 01/80	"	VICSIDU.PRN
VIC0280U.PRN	41		"	02/80 - 01/82	"	7 Cart 11
VIC0282U.PRN	41	11	"	02/82 - 01/84		
VIC0284U.PRN	41		"	02/84 - 01/86	"	
VIC0286U.PRN	41	u —	"	02/86 - 11/86	"	1 T
QLD0278U.PRN	41		Qld	02/78 - 01/80		QLDSIDU.PRN
QLD0280U.PRN	41		"	02/80 - 01/82	"	
QLD0282U.PRN	41	"	11	02/82 - 01/84	"	g
QLD0284U.PRN	41	"	11	02/84 - 01/86	"	
QLD0286U.PRN	41	"	"	02/86 - 11/86		11 m
SAU0278U.PRN	41	"	S.A.	02/78 - 01/80		SAUSIDU.PRN
SAU0280U.PRN	41		"	02/80 - 01/82		H 1
SAU0282U.PRN	41		n :	02/82 - 01/84	"	THE STATE OF THE S
SAU0284U.PRN	41		"	02/84 - 01/86	"	**
SAU0286U.PRN	41	"	"	02/86 - 11/86	<b></b>	
WAU0278U.PRN	41		W.A.	02/78 - 01/80		WAUSIDU.PRI
WAU0280U.PRN	41	"	"	02/80 - 01/82		
WAU0282U.PRN	41	. "	"	02/82 - 01/84	••	
WAU0284U.PRN	41	"	"	02/84 - 01/86	"	
WAU0286U.PRN	41	"	"	02/86 - 11/86		
TAS0278U.PRN	41	"	Tas.	02/78 - 01/80		TASSIDU.PRN
TAS0280U.PRN	41	"	11 1	02/80 - 01/82	"	· ·
TAS0282U.PRN	41	"	"	02/82 - 01/84	"	n.
TAS0284U.PRN	41		"	02/84 - 01/86		u u
TAS0286U.PRN	41	"	"	02/86 - 11/86	"	. 0
NTY0278U.PRN	41		N.T.	02/78 - 01/80	**	NTYSIDU.PRN
NTY0280U.PRN	41	"	"	02/80 - 01/82		u
NTY0282U.PRN	41		"	02/82 - 01/84	"	
NTY0284U.PRN	41	"	"	02/84 - 01/86	"	u-
NTY0286U.PRN	41		"	02/86 - 11/86		
ACT0278U.PRN	41	"	A.C.T.	02/78 - 01/80	"	ACTSIDU.PRN
ACT0280U.PRN	41	•	"	02/80 - 01/82	"	
ACT0282U.PRN	41	II .	"	02/82 - 01/84	"	н
ACT0284U.PRN	41	"	**	02/84 - 01/86	**	"
ACT0286U.PRN	41	v.	"	02/86 - 11/86		